

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/053029

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H02K3/44 F04D13/10		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 H02K F04D		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, PAJ		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 394 043 A (HSIA ET AL) 28 February 1995 (1995-02-28) column 1, line 5 - line 8 column 2, line 12 - line 64 column 3, line 45 - column 4, line 8; figure 1	1-6
Y	US 3 115 840 A (FELTUS HENRY JAMES) 31 December 1963 (1963-12-31) column 1, line 12 - line 24 column 1, line 45 - line 53	1-6
Y	GB 1 467 164 A (SIEMENS AG) 16 March 1977 (1977-03-16) page 1, line 44 - line 58	2
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents: *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *A* document member of the same patent family		
Date of the actual completion of the international search 17 March 2005		Date of mailing of the international search report 29/03/2005
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016		Authorized officer Türk, S

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 740 078 A (WESTINGHOUSE ELECTRIC CORPORATION) 30 October 1996 (1996-10-30) column 7, line 42 - line 57; figure 4	4
Y	WO 01/52386 A (MOL BELTING COMPANY; WOLTERS, LAURENS) 19 July 2001 (2001-07-19) page 3, line 28 - page 4, line 2 page 10, line 11 - page 11, line 13; figure 7	6
A	US 5 767 606 A (BRESOLIN ET AL) 16 June 1998 (1998-06-16) column 1, line 11 - line 20 column 1, line 61 - line 65 column 2, line 33 - line 38 column 3, line 66 - column 4, line 12; figures 4-9	1
A	US 4 421 999 A (BEAVERS ET AL) 20 December 1983 (1983-12-20) column 1, line 19 - line 26	1
A	PATENT ABSTRACTS OF JAPAN vol. 011, no. 064 (M-565), 26 February 1987 (1987-02-26) -& JP 61 220814 A (MITSUBISHI ELECTRIC CORP), 1 October 1986 (1986-10-01) abstract; figures 1-3	2
A	US 2 939 400 A (MAYNARD JOHN T) 7 June 1960 (1960-06-07) column 2, line 55 - line 61	4
A	US 2002/079763 A1 (FLESHMAN ROY R ET AL) 27 June 2002 (2002-06-27) the whole document	5

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/053029

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5394043	A	28-02-1995	NONE	
US 3115840	A	31-12-1963	NONE	
GB 1467164	A	16-03-1977	DE 2333241 A1 FR 2235521 A1 IT 1015358 B	30-01-1975 24-01-1975 10-05-1977
EP 0740078	A	30-10-1996	US 5659214 A CA 2170832 A1 DE 69614599 D1 DE 69614599 T2 EP 0740078 A1	19-08-1997 04-09-1996 27-09-2001 11-04-2002 30-10-1996
WO 0152386	A	19-07-2001	AU 2948101 A CA 2397414 A1 CN 1395757 A CZ 20022443 A3 EP 1249063 A2 EP 1427089 A2 JP 2003520555 T WO 0152386 A2 US 2002158543 A1 US 2003094867 A1 US 2004107562 A1 US 2004104635 A1	24-07-2001 19-07-2001 05-02-2003 12-03-2003 16-10-2002 09-06-2004 02-07-2003 19-07-2001 31-10-2002 22-05-2003 10-06-2004 03-06-2004
US 5767606	A	16-06-1998	IT 1259848 B DE 69310333 D1 DE 69310333 T2 EP 0604762 A2 ES 2102583 T3	28-03-1996 05-06-1997 30-10-1997 06-07-1994 01-08-1997
US 4421999	A	20-12-1983	CA 1159716 A1	03-01-1984
JP 61220814	A	01-10-1986	JP 1639720 C JP 2063045 B	18-02-1992 27-12-1990
US 2939400	A	07-06-1960	NONE	
US 2002079763	A1	27-06-2002	CA 2364532 A1 GB 2373376 A , B	21-06-2002 18-09-2002